

SIBCAS Factory Reconditioned

ECO Friendly Site Accommodation



flexible modular accommodation

Technical Specification

These units are taken from existing stock and are factory reconditioned and upgraded, thus maximising the use of the currently embodied carbon within the building, and giving the customer a unit that is fit for purpose, meeting the need for Security and providing a unit that is environmentally responsible, for the current market place.

Environmental Features

U – Values

Roof	0.35w/(m ² k)
Wall	0.51w/(m ² k)
Floor	0.30w/(m ² k)
Door	1.80w/(m ² k)
Window	1.90w/(m ² k)

Water saving systems fitted to the urinal flush cistern and / or waterless urinals, Percussion Taps with spray heads. Toilets cisterns are dual flush. Rain water gutters are fitted to allow the user to fit water harvesting tanks. High frequency T5 Lights operated by Passive infrared (PIR) detectors and day light sensors.

Structure

The Structural Design fully complies with the current Euro Codes of design.

BS EN 1990	Basis of Structural Design
BS EN 1991	Actions on Structures
BS EN 1993	Design of Steel Structures
BS EN 1995	Design of Timber Structures

Floors

The floors are designed for a floor loading of 3 kPa (0.3 Tonnes / m²). The floors are constructed on a steel UB chassis, Floor covering *Tarkett, Tapiflex Vinyl, (Saphyr Grey; 243 3638 005)*, fixed on to 15.5mm CSP external grade, then timber floor joists.

Walls

External are fully lined with steel, timber framing provides structural strength and houses the insulation, internal finishes are emulsion painted Duplex Gyproc with propriety trims, or a wet all system i.e. Respatex wall finish to toilet and showering areas. (Where required)

Ceiling

Finish will be 12.5mm vinyl faced Gyproc.

Doors

External; 915mm insulated steel, composite type *Kirncroft* door with 9 point locking system.

Windows

The window system is manufactured by SIBCAS using white powder coated thermally broken aluminium sections all double glazed and fitted with permanent trickle vents, windows are tilt and turn operation fitted with restriction stays. Cill height is 1110mm above finished floor level. The Energy efficient glazing will be soft coat, argon gas fill with warm edge system. Fitted with Heavy gauge wire stone guards. (Where required)

Electrics

All electrics to comply with current I.E.E. regulations, (17th edition, BS 7671). External 63 amp, single phase isolator provided for fast connection to external power source. Standard light fittings are *Tamlite 1500mm(TKL 135/HF T5)* single baton fluorescents, wired through 25mm plastic conduit (light gauge), to 50mm x 50mm high level *Marshall Turflex* containment trunking, operated by PIR and photocell detectors. Sockets and switches are fixed and wired through 3 compartment (100mm x 50mm) *ACD4* containment trunking at dado height., Electric heating as standard complete with thermo-stat time controller and frost protection. (Where required)

Plumbing

Sanitary fittings are white porcelain, please refer to the Environmental features for water saving systems, all plumbing will comply with current building regulations and water supply bylaws.

Notes :-

All timbers used in construction are vacuum treated with wood preservative.

We currently have 400 units of this type in various configurations within the current working hire fleet.

Full Set of Structural and Environmental calculations are available upon request,
Andrew Livingstone 01506 633122
andrewlivingstone@sibcas.co.uk

A. Livingstone